

We claim:

1. A system for controlled dispensation of active ingredients into an atmosphere, the
2 system comprising:

3 a heat-regulating container made entirely of metal and having one or more reservoir
4 portions, a volatile material comprising active ingredients to be dispensed into the atmosphere
5 contained within the one or more reservoir portions, and a lower surface having integral leg support
6 structure; and

7 a heating device having a heating surface and adapted to receive the heat-regulating
8 container such that the integral leg support structure is in direct contact with the hot surface, thereby
9 regulating the temperature of the volatile material in the one or more reservoir portions within the
10 container.

1. 2. The system of Claim 1, wherein the volatile material is one or more selected from
2 the group consisting of pesticides and insecticides, insect repellents, fragrances, air-fresheners and
3 deodorizers.

1. 3. The system of Claim 1, wherein the one or more reservoir portions contains a
2 porous solid substrate positioned within the one or more reservoirs and wherein the volatile material
3 is impregnated within the substrate.

1. 4. The system of Claim 1, wherein the volatile material is in a gel form.

1. 5. The system of Claim 1, wherein the container is made of a single heat-resistant
2 material selected from the group consisting of metal, thermoplastic, and ceramic.

1 6. The system of Claim 1, further comprising a plurality of integral leg support
2 structures.

1 7. The system of Claim 6, wherein the plurality of integral leg support structures are
2 provided in a zig-zag pattern.

1 8. The system of Claim 6, wherein the plurality of integral leg support structures are
2 provided in a solid pattern over an entire lower surface portion of the container.

1 9. The system of Claim 1, in which the container further comprises handles means
2 extending from the container for manipulation of the container by a user.

1 10. A heat-regulating container for dispensing volatile materials into an atmosphere,
2 the container adapted for use in a heating device having a heating surface at elevated temperature,
3 the container comprising:
4 a reservoir portion for containing volatile material to be dispensed;
5 a lower surface; and
6 a plurality of integrally formed leg structures extending from the lower surface of the
7 container for regulating the transfer of heat from a heating surface of a heating device to volatile
8 material to be dispensed.

1 11. The container of Claim 10, further comprising a predetermined number of
2 integrally formed leg structures.

1 12. The container of Claim 10, in which the plurality of integrally formed leg
2 structures each have a predetermined height.

1 13. The container of Claim 10, further comprising a closure means for retaining the
2 volatile material in the reservoir portion.

1 14. The container of Claim 13, in which the closure means comprises an impermeable
2 film.

1 15. The container of Claim 13, in which the closure means comprises a semi
2 permeable membrane.

1 16. The container of Claim 13, in which the closure means comprises a permeable
2 membrane.

1 17. The container of Claim 10, further comprising a volatile material.